



CITY OF CALISTOGA

STAFF REPORT

TO: Honorable Mayor and City Council
FROM: Derek Rayner, Acting Public Works Director/City Engineer
DATE: September 3, 2019
SUBJECT: Consideration of a Resolution Approving Amendment No. 11, to the Professional Services Agreement with Larry Walker Associates for ongoing permit assistance services related to the City's Wastewater and Water Treatment Plant Operating Permits, in the amount of \$119,550.

Approved by

Michael Kirn, City Manager

DESCRIPTION:

Consideration of a Resolution Approving Amendment No. 11, to the Professional Services Agreement with Larry Walker Associates for Services Related to the City's Wastewater and Water Treatment Plant Operating Permits, in an amount of \$119,550.

RECOMMENDATION:

Consider a Resolution Approving Amendment No. 11, to the Professional Services Agreement with Larry Walker Associates.

BACKGROUND:

The City of Calistoga's Wastewater Treatment Plant (WWTP) operates under a revised NPDES Permit issued in November 2016 by the San Francisco Bay Regional Water Quality Control Board (RWQCB). Under this permit, the City may discharge treated effluent to the Napa River between November 1 and June 15 of any given year provided dilution ratios are met. During non-discharge times all treated effluent produced must be stored or recycled.

The monitoring and reporting requirements associated with the NPDES permit and recycled water permits are complex and the RWQCB has occasionally imposed mandatory fines for certain permit violations. LWA is very familiar with our permit and the

regulatory requirements imposed by the RWQCB. Since January of 2001, LWA has been providing ongoing professional technical assistance related to permit issuance and compliance. The total cost of services provided by LWA varies from year to year depending on identified needs for consultant services.

Due to staff restructuring in the Water and Sewer operations, LWA assumed responsibilities previously performed by City staff. These additional activities continue to be required and the recommended amendment reflects the additional efforts and expenditures in FY 2019/20. LWA has also been providing technical assistance associated with the Cease and Desist Order and required special studies and will be involved in the preparation of the Report of Waste Discharge required for our upcoming permit renewal.

Staff has reviewed the proposal, determined the services are necessary and reasonable, and recommends approval of Amendment No. 11 to the PSA with LWA to continue services through FY 2019/20 in the amount of \$119,550.

The total amount of the amended contract, including this Amendment is \$731,734.

As requested by the City, LWA prepared a proposal for continued permit assistance for the WWTP NPDES Permit, the General Water Reuse Permit, the sanitary sewer system waste discharge requirements and the drinking water system NPDES permit for FY 2019/20. Some of the tasks to be provided by LWA are presented below:

Preparation of Regulatory Compliance Reports

LWA will compile/review data, assess monthly Self-Monitoring Reports for compliance/completeness, and upload reports to the California Integrated Water Quality Monitoring System (CIWQS). LWA will prepare regulatory compliance reports or review draft reports prepared by City staff. LWA will prepare compliance reports required by the CDO and provide draft documents to City staff for review/approval prior to submittal to the RWQCB.

Pollution Prevention Assistance

As specified in the NPDES permit, the City must undertake pollution prevention activities to reduce the amount of pollutants received at the WWTP. LWA will provide advice to the City when identifying and implementing appropriate pollution prevention activities. LWA will prepare the draft 2019 Annual Pollution Prevention Report for review and approval by City staff.

Disinfection Byproducts Compliance

The City is currently implementing activities to reduce the formation of disinfection byproducts in the drinking water supply and tertiary effluent produced at the WWTP. LWA

will assist the City in reviewing monitoring results, assessing the outcomes of operational changes, and preparing regulatory compliance reports.

Mixing Zone Study

The 2016 NPDES permit requires the City to re-evaluate mixing zone characteristics at Outfall 001 and 002 and determine mixing characteristics at Outfall 003 (old discharge outfall at the 20-million-gallon effluent storage pond) if it will be used during the up-coming permit term. LWA will conduct the modeling and prepare a mixing zone study report for City review and submittal to the Regional Water Board as part of the NPDES Permit application (due July 2020).

Sanitary Sewer Management Plan (SSMP) Internal Audit

The City is required to complete an internal SSMP audit every two years, at a minimum. The last audit was conducted in May 2018 and the next audit will occur during the spring of 2020. LWA will review the City's current SSMP, as well as information available on CIWQS Public Reports, to assess program effectiveness. LWA will work with City Staff to assemble any information which may not be publicly available in CIWQS. LWA will analyze, tabulate and graph historical information on the program metrics and evaluate the SSMP for compliance with all the required elements.

WWTP / NPDES Permit Application

The application for the current NPDES permit was submitted to the Regional Water Board on May 1, 2015. The next permit application is due by July 24, 2020. During this contract term, LWA will assist the City with developing and submitting the permit application package.

LWA will also assess effluent and receiving water quality data collected in the current permit term and perform a Reasonable Potential Analysis (RPA) for each constituent.

WTP / Drinking Water System Emergency Permit Activities

The City's domestic water supply permit includes requirements to monitor water quality, conduct technical studies, and submit reports to the State Water Resources Control Board Division of Drinking Water (DDW). The City also has monitoring and reporting requirements under the Statewide NPDES Permit for Drinking Water System Discharges to Waters of the U.S.

The Statewide permit is a general permit that covers some planned discharges and most emergency discharges from potable water pipelines, tanks, reservoirs, and water treatment plants. LWA will assess monitoring results, consider compliance actions, provide notification of policy/regulatory changes, communicate with DDW (as requested by the City), and review/edit draft reports prepared by City staff.

FINANCIAL IMPACT:

The adopted Fiscal Year 2019/20 Wastewater & Water Enterprise Budgets included funding for the ongoing permit services in the Wastewater Treatment Operations Budget – Account Code 03-4142-4402 and Water Treatment Operations Budget – Account Code 02-4132-4402.

CEQA REVIEW:

The direction that staff is seeking is general policy and procedure and is not a Project under CEQA. Section 15378(b) (2) of CEQA provides that a "...Project does not include: Continuing administrative or maintenance activities such as ...general policy and procedure making."

CONSISTENCY WITH CITY COUNCIL GOALS AND OBJECTIVES:

This agreement is consistent with City Council Goal No. 3 – Establish, improve and maintain City infrastructure; and the City Council Objectives (Maintain the high level of service and reliability of the City's infrastructure systems).

ATTACHMENTS:

1. Resolution
2. Professional Services Agreement Amendment No. 11

RESOLUTION 2019- XXX

**RESOLUTION OF THE CITY COUNCIL OF THE CITY OF CALISTOGA,
COUNTY OF NAPA, STATE OF CALIFORNIA, APPROVING AMENDMENT
NO. 11, TO THE PROFESSIONAL SERVICES AGREEMENT WITH LARRY
WALKER ASSOCIATES FOR SERVICES RELATED TO THE CITY'S
WASTEWATER AND WATER TREATMENT PLANT OPERATING PERMITS,
IN THE AMOUNT OF \$119,550**

WHEREAS, the City of Calistoga Wastewater Treatment Plant Operates under a National Pollutant Discharge Elimination System (NPDES) Permit that includes certain monitoring and reporting requirements; and

WHEREAS, the City of Calistoga operates its Recycled Water Program under the State's General Water Reuse Permit which requires the City to monitor and report all recycled water activities within its jurisdiction; and

WHEREAS, the City of Calistoga operates its Water Treatment Plant under the Drinking Water System NPDES permit; and

WHEREAS, the City requires continued and additional professional services to assist in the monitoring and reporting requirements of these permits; and

WHEREAS, the City of Calistoga entered into an agreement on August 16, 2005, Amendment No. 1 on March 4, 2008, Amendment No. 2 on July 21, 2009, Amendment No. 3 on July 19, 2011, Amendment No. 4 on August 22, 2012, Amendment No. 5 on June 8, 2013, Amendment No. 6 on July 14, 2014, Amendment No. 7 on November 18, 2014, Amendment No. 8 on July 7, 2015, Amendment No. 9 on March 21, 2017, Amendment No. 10 on July 18, 2017, with Larry Walker Associates for Ongoing Permit Assistance associated with the NPDES Permit, Recycled Water User Permit, and Drinking Water System NPDES permit; and

WHEREAS, the City is in need of continued services from Larry Walker Associates for FY 2019/20; and

WHEREAS, Larry Walker Associates has submitted a proposal for these services dated August 12, 2019, in the amount of \$119,550; and

WHEREAS, staff has reviewed said proposal, found that the professional services proposed are reasonable and necessary, and recommends that Amendment No. 11 to the agreement with Larry Walker and Associates be approved; and

WHEREAS, these additional services are part of the FY 2019/20 Wastewater Treatment Operations Budget, Account Code 03-4142-4402 and Water Treatment Operations Budget, Account Code 02-4132-4402.

NOW, THEREFORE BE IT RESOLVED that the City Council of the City of Calistoga hereby approves Amendment No. 11, to the Professional Services Agreement with Larry

Walker Associates in the amount of \$119,550 for a total contract amount of \$731,734 for ongoing and additional permit assistance related to the City of Calistoga Wastewater

Treatment Plant NPDES Permit, the State's General Water Reuse Permit and the Drinking Water System NPDES permit; and

BE IT FURTHER RESOLVED that the City Council of the City of Calistoga hereby authorizes the City Manager to execute the required documents.

PASSED, APPROVED, AND ADOPTED by the City Council of the City of Calistoga at a regular meeting held this **3rd day of September 2019**, by the following vote:

AYES:
NOES:
ABSTAIN:
ABSENT:

CHRIS CANNING, Mayor

ATTEST:

IRENE CAMACHO-WERBY, City Clerk

**AMENDMENT NO. 11
TO THE PROFESSIONAL SERVICES AGREEMENT
BETWEEN THE CITY OF CALISTOGA AND
LARRY WALKER ASSOCIATES**

**Ongoing Permit Assistance Services Related to the City's Current Wastewater
Treatment Plant NPDES Permit, Sanitary Sewer System Waste Discharge
Requirements, the State's General Water Reuse Permit, and the Drinking Water
System NPDES Permit
(Authorizing Agreement No. 288-11
Amending Agreement No. 288)**

THIS AMENDMENT NO. 11 to the Professional Services Agreement between the City of Calistoga and Larry Walker Associates, for ongoing permit assistance services related to the City's current Wastewater Treatment Plant NPDES Permit and the State's General Water Reuse Permit (hereinafter Amendment No. 11) is hereby entered into as of the 3rd day of September 2019, by and between the City of Calistoga, a municipal corporation (hereinafter referred to as "City") and Larry Walker Associates, (hereinafter referred to as "Consultant").

RECITALS

WHEREAS, City and Consultant have previously entered into a Professional Services Agreement for ongoing permit assistance services related to the City's current Wastewater Treatment Plant NPDES Permit and the State's General Water Reuse Permit, said Agreement being dated August 16, 2005, Amendment No. 1, being dated March 4, 2008, Amendment No. 2, being dated July 21, 2009, Amendment No. 3, being dated July 19, 2011, Amendment No. 4 being dated August 22, 2012, Amendment No. 5 being dated June 18, 2013, Amendment No. 6 being dated July 15, 2014; Amendment No. 7 being dated November 18, 2014, Amendment No. 8 being dated July 7, 2015, Amendment No. 9 being dated March 21, 2017, Amendment No. 10 being dated July 18, 2017; and

WHEREAS, City and Consultant now desire to enter into this Amendment No. 11 to provide the additional ongoing permit assistance for FY 2019/20 relating to the City's Wastewater Treatment Plant NPDES Permit, Sanitary Sewer System Waste Discharge Requirements (WDRs), the State's General Water Reuse Permit and the Drinking Water System NPDES permit as described in "Scope of Services for Ongoing Permit Assistance" dated August 12, 2019 which is attached as Exhibit "A".

NOW, THEREFORE, the parties do hereby mutually agree to amend the Agreement as follows:

1. Under Paragraph 1, Scope of Services, Subsection I is added as follows:

I. Subject to such policy direction and approvals as the City through its staff may determine from time to time, Consultant shall perform the additional ongoing permit assistance services set forth in Consultant's letter dated August 12, 2019, (for period of July 1, 2019 – June 30, 2020). (See Exhibit "A".)

2. Under Paragraph 3, Compensation and Method of Payment, Subsection A and C are revised as follows:

A. Compensation. The compensation to be paid to Consultant shall be at the fees included in the Agreement (\$37,075), Amendment No. 1 (\$50,863), Amendment No. 2 (\$22,325), Amendment No. 3 (\$15,795), Amendment No. 4 (\$11,000), Amendment No. 5 (\$59,811), Amendment No. 6 (\$68,300), Amendment No. 7 (\$55,000), Amendment No. 8 (\$159,000), Amendment No. 9 (\$29,575), Amendment No. 10 (\$103,440), and also as indicated in Exhibit "A," being the "Scope of Services for Ongoing Permit Assistance" dated August 12, 2019, attached hereto and incorporated herein by reference (\$119,550). However, in no event shall the total amount exceed Seven Hundred Thirty-One Thousand Seven Hundred Thirty-Four Dollars (\$731,734), with such amount including the original Agreement, Amendment No. 1, Amendment No. 2, Amendment No. 3, Amendment No. 4, Amendment No. 5, Amendment No. 6, Amendment No. 7, Amendment No. 8, Amendment No. 9, Amendment No. 10 and the additional fees associated with this Amendment No. 11. Payment by City under this Agreement shall not be deemed a waiver of defects, even if such defects were known to the City at the time of payment.

C. Changes in Compensation. Consultant will not undertake any work that will incur costs in excess of the amount of Seven Hundred Thirty-One Thousand Seven Hundred Thirty-Four Dollars (\$731,734).

3. Except as specifically modified by Amendment No. 11, all other terms and conditions of the Agreement shall remain in full force and effect.

IN WITNESS WHEREOF, the City and Consultant have executed this Amendment No. 11 as of the date first above written.

CITY OF CALISTOGA

LARRY WALKER ASSOCIATES

By: _____
Michael T. Kirn

By: _____
Brian Laurenson

Title: _____
City Manager

Title: _____
Vice-President

ATTEST:

Irene Camacho-Werby, City Clerk

EXHIBIT "A"

SCOPE OF WORK & FEE SCHEDULE



SCOPE OF SERVICES FOR CITY OF CALISTOGA

Contract Amendment No. 11 Ongoing Permit Assistance (July 1, 2019 to June 30, 2020)

The City of Calistoga (City) has requested a scope of services and cost estimate from Larry Walker Associates (LWA) for assistance with conditions specified by the Wastewater Treatment Plant (WWTP) NPDES permit, the Sanitary Sewer System Waste Discharge Requirements (WDRs), the Recycled Water Use permit, and the Drinking Water System permits. The following Scope of Services describes the activities predicted during Fiscal Year 2019/20. The tasks include preparing regulatory compliance reports, consulting on regulatory issues, conducting permit-required special studies, preparing the application for NPDES permit reissuance, and providing updates on new water quality policies/regulations.

Attachment A includes a cost estimate for activities during FY 2019/20. The cost estimates are presented in terms of the specific tasks outlined in this scope and includes the number of hours for each LWA staff member that may assist with the project.

Task 1 – Preparation of Regulatory Compliance Reports

Periodic reporting of operational information, regulatory compliance, and monitoring data is required by the WWTP NPDES permit (Order No. R2-2016-0018), the recycled water permit (Order No. 96-011), Cease and Desist Order No. R2-2014-0043 (Amended by Order No. R2-2016-0019), the Drinking Water System NPDES permit (Order WQ-2014-0194-DWQ), and the Domestic Water Supply Permit (02-03-16P2810002). Incident reporting is required to document the occurrence, cause, and response to effluent limit violations, spills, bypasses, and unauthorized discharges. WWTP effluent and receiving water monitoring data must be submitted online through the California Integrated Water Quality Management System (CIWQS). A cover letter and CDO progress report are provided with monthly data submittals to explain operational changes, identify violations of effluent limits or water quality objectives, and summarize CDO compliance activities. Annual reporting is required to document WWTP performance and recycled water program implementation.

As requested by City staff, LWA will prepare regulatory compliance reports or review draft reports prepared by City staff. Draft versions of all reports will be provided to City staff for review and comment prior to finalizing for submittal to the San Francisco Bay Regional Water Quality Control Board (Regional Water Board) or the State Water Resources Control Board (State Water Board).

Task 2 – General Consulting

Under the General Consulting task, funds are allocated to assist the City with new or emerging issues that are not included under the other identified contract tasks. During previous years, this task has been used for evaluating compliance concerns, communicating with Regional Water Board staff, obtaining bypass approvals, responding to Notices of Violation, and following regulatory developments. Upon request of City staff, LWA will utilize these funds for assistance with issues that arise during the contract term.

Task 3 – Pollution Prevention Assistance

As specified in the NPDES permit, the City must undertake pollution prevention activities to reduce the amount of pollutants received at the WWTP. Pollutants of concern are identified by the City and the Regional Water Board and include those constituents that could cause or contribute to an exceedance of water quality objectives in the Napa River. The current pollutants of concern are mercury, geothermal pollutants, cyanide, disinfection byproducts (trihalomethanes), copper, ammonia, oil and grease, and PCBs. LWA will provide advice to the City when identifying and implementing appropriate pollution prevention activities. LWA will prepare the draft 2019 Annual Pollution Prevention Report. The draft report will be submitted to City staff for review and approval before finalizing for submittal to the Regional Water Board.

Task 4 – Disinfection Byproducts Compliance

Cease and Desist Order No. R2-2014-0043 (as amended by Order No. R2-2016-0019) contains a time schedule for compliance with final effluent limits for the trihalomethanes chlorodibromomethane and dichlorobromomethane (THMs). The City has been implementing activities to reduce the formation of THMs in the drinking water supply and tertiary effluent produced at the WWTP. This past discharge season, the City has been in compliance with the final THM effluent limits through chemical addition of ammonia into the treatment process. Under this task, LWA will continue to assist the City with reviewing monitoring results, assessing the outcomes of operational changes, and preparing regulatory compliance reports, as needed.

Task 5 – Napa River Collaborative Monitoring

Collaborative monitoring of upstream Napa River quality (a shared effort between Calistoga, Yountville, and St. Helena) was completed in early 2019 under conditions specified in the 2016 NPDES permit. As a result, no activities are predicted during this contract period.

Task 6 – Project Management

LWA activities under this task include managing budgets and schedules, implementing contract conditions, and preparing monthly progress reports for City staff.

Task 7 – Mixing Zone Study

A dye study and calibrated mixing zone modeling were conducted in 2009 to determine dilution, travel time, and mixing zone characteristics when discharging effluent at Outfalls 001 and 002. The results were used by the Regional Water Board to establish dilution credits in the 2010 and

2016 NPDES permits. The 2016 NPDES permit requires the City to re-evaluate mixing zone characteristics at Outfalls 001 and 002 and determine mixing characteristics at Outfall 003 (old discharge outfall at the 20-million gallon effluent storage pond) if it will be used during the upcoming permit term. LWA will conduct the modeling and prepare a mixing zone study report for City review and submittal to the Regional Water Board as part of the NPDES Permit application (due July 2020).

Task 8 – Sanitary Sewer Management Plan (SSMP) Internal Audit

Provision D.13(x) of the Sanitary Sewer System WDRs (Order No. 2006-0003-DWQ) requires an internal SSMP audit every two years, at a minimum. An audit was previously conducted in May 2018 and the next audit will occur during the spring of 2020. LWA will review the City’s current SSMP, as well as information available on CIWQS Public Reports, to assess program effectiveness. LWA will work with City staff to assemble any information which may not be publicly available in CIWQS. Per Provision D.13(x) of the SSS WDR, the internal audit needs to evaluate the SSMP effectiveness (e.g., compile metrics such as miles of televised pipe, number of spills/volumes from year to year, etc.) and the City’s compliance status with each of the required SSMP elements. LWA will analyze, tabulate, and graph historical information on the program metrics and evaluate the SSMP for compliance with all the required elements.

LWA will prepare a draft audit report that includes deficiencies and opportunities for improving the SSMP. The audit report will be finalized following review by City staff. LWA will help the City revise the SSMP as recommended in the final audit report.

Task 9 – CIWQS Electronic Data Management Tool

No activities are predicted for this task during this contract term. LWA plans to continue to assist the City’s CIWQS submittals through activities described under Task 1, Preparation of Permit Compliance Reports.

Task 10 – WWTP NPDES Permit Application

The application for the current NPDES permit was submitted to the Regional Water Board on May 1, 2015. The next permit application is due by July 24, 2020. During this contract term, LWA will assist the City with developing and submitting the permit application package. The application package consists of the Report of Waste Discharge (ROWD), Mixing Zone Study Report (described under Task 7 above), cover letter, and a compilation of WWTP and Napa River monitoring data to be submitted electronically to the Regional Water Board.

LWA will also assess effluent and receiving water quality data collected in the current permit term and perform a Reasonable Potential Analysis (RPA) for each regulated constituent. The RPA is utilized by the Regional Water Board to determine if there is reasonable potential for the discharges from the WWTP to cause or contribute to the exceedance of a water quality objective in the Napa River. This process is conducted to identify potential compliance problems early and as a check on the calculations that will be prepared independently by the Regional Water Board staff during permit reissuance.

Other tasks associated with the permit renewal, such as review of draft permits, comment letters, and support at the permit hearing, are expected to take place after the permit application package is submitted in July 2020. These activities will be included in the next contract amendment, under Task 11 below.

Task 11 – WWTP NPDES Permit Adoption

The current NPDES permit is in effect until April 30, 2021. No activities are predicted for this task during this contract term.

Task 12 – Drinking Water System Permit Activities

The City's Domestic Water Supply Permit includes requirements to monitor water quality, conduct technical studies, and submit reports to the State Water Resources Control Board Division of Drinking Water (DDW). The City also has monitoring and reporting requirements under the Statewide NPDES Permit for Drinking Water System Discharges to Waters of the U.S. (WQ Order 2014-0194-DWQ). The Statewide permit is a general permit that covers some planned discharges and most emergency discharges from potable water pipelines, tanks, reservoirs, and water treatment plants. LWA will assess monitoring results, consider compliance actions, provide notification of policy/regulatory changes, communicate with DDW (as requested by the City), and review/edit draft reports prepared by City staff.

Attachment A

City of Calistoga
Professional Services by Larry Walker Associates
Contract Amendment No. 11

Estimated Costs for Ongoing Permit Assistance during FY 2019/20
(July 1, 2019 through June 30, 2020)

Task	Description	LWA Labor Hours and Rates (1)					Total Hours	Total Labor Costs	Other Direct Costs	Total Costs	
		Project Manager:	Senior Scientist:	Project Engineer IIA:	Project Engineer IIB:	Project Engineer IA:					Contract Administrator:
		Denise Conners	Mitch Mysliwiec	Alina Constantinescu Airy Krich-Brinton Masih Akhbari	Jeff Walker	Jenny Bayley					Andrew Smith
		\$266	\$239	\$206	\$185	\$175	\$125				
1	Preparation of Permit Compliance Reports Prepare monthly SMRs, annual reports, technical memoranda, or workplans specified by the Regional Water Board, NPDES permits, CDO, and recycled water permit.	12		80				92	\$19,672	0	\$19,672
2	General Consulting Address questions from City staff, respond to compliance issues that may arise, and update City of new/projected regulatory requirements.	8		8		12		28	\$5,876		\$5,876
3	Pollution Prevention Assistance Assist with implementation of the pollution prevention program, revise program (as needed) to address identified constituents of concern, and prepare 2019 Annual Pollution Prevention Report.	2		6		16		24	\$4,568	\$100 (2)	\$4,668
4	Disinfection Byproducts Compliance Review monitoring results, identify/assess operational changes, and prepare monthly progress reports.	4		4				8	\$1,888	0	\$1,888
5	Napa River Collaborative Monitoring The next collaborative monitoring event will occur during the last two years of the WWTP NPDES permit term (2019-2020).							0	0	0	0
6	Project Management Prepare monthly progress reports, track budgets and schedules, ensure implementation of contract conditions.	2		8			30	40	\$5,930	0	\$5,930
7	Mixing Zone Study The mixing zone study will be updated during the last two years of the current WWTP NPDES permit term (2019-2020).	32	80	80	24			216	\$48,552	\$100 (2)	\$48,652
8	Sanitary Sewer Management Plan (SSMP) Internal Audit Review SSMP and Sanitary Sewer Overflow (SSO) reports, evaluate effectiveness of the SSMP and compliance with WDR provisions, identify deficiencies and recommend revisions. Prepare internal audit report and assist the City with revising the SSMP.	2		16				18	\$3,828	\$100 (2)	\$3,928
9	CIWQS Electronic Data Management Tool (EDMT) Address questions from City staff, modify EDTM as needed, respond to electronic reporting issues that may arise.							0	0	0	
10	WWTP NPDES Permit Application Prepare permit application package (ROWD, cover letter, electronic data) and RPA.	16		40		40		96	\$19,496	0	\$19,496
11	WWTP NPDES Permit Adoption Activities such as reviewing and commenting on draft permits and support for the permit adoption hearing are predicted in the next contract term.							0	0	0	0
12	Drinking Water System Permit Activities Address questions from City staff, respond to compliance issues that may arise, and update City of new/projected regulatory requirements.	20		20				40	\$9,440	0	\$9,440
TOTAL PROJECT COSTS (3)		98	80	262	24	68	30	562	\$119,250	\$300	\$119,550

(1) LWA hourly rates for 2019/20. Rates are typically adjusted on July 1st of each year.

(2) Estimated transportation costs for trips to/from Calistoga.

(3) The cost estimate is based on best available information and a projections of activities required during FY 2019/20. If it appears the budget will be exceeded, LWA will notify the City and discuss approach before proceeding with additional work.